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(11) EP 0 881 657 A3

(12)

EUROPEAN PATENT APPLICATION

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(51) Int. Cl.⁶: **H01J 17/49**, H01J 17/04

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(54) Plasma display panels

(57) A plasma display panel, of a matrix display type, has a first electrode (X) and a second electrode (Y) which constitute a main electrode pair, the first electrode and the second electrode being covered with an insulating layer (17, 18) against a discharge gas. The insulating layer comprises a magnesium oxide film (18) formed at least as a surface layer thereof which is in contact with the discharge gas, the magnesium oxide film having an impedance in the range of 230 to 330 $\rm k\Omega/cm^2$ at a frequency of 100 Hz.

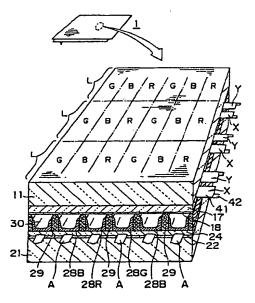


Fig. 4



EUROPEAN SEARCH REPORT

Application Number EP 97 30 8899

		DERED TO BE RELEVANT	· · ·	
Category	Citation of document with of relevant pa	nindication, where appropriate, ssages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Α .	PATENT ABSTRACTS (vol. 005, no. 125 & JP 56 061739 A 27 May 1981 * abstract *	(E-069), 12 August 1981	1,9,10,	H01J17/49 H01J17/04
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	figures 3,4 *	·	1,9,10,	
	<pre>3 October 1995 * column 2, line 3</pre>	- line 39; figure 1 * 5 - line 38 *	7,8,11	TECHNICAL FIELDS SEARCHED (Int.Ci.6) H01J H01B C03C C23C
. A	WO 96 37904 A (FUJ (JP); KANAGU SHINJ 28 November 1996 & EP 0 788 131 A (F 6 August 1997	TTSU LTD ;AMATSU MASASHI [(JP); SASAKA MASAA) [UJITSU LIMITED]	13	
,	* figure 1 * * column 7, line 35	5 - line 40 *		
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Examiner
T	HE HAGUE	9 February 1999	Noor	rdman, F
X : particu Y : particu docum A : techno O : non-w	EGORY OF CITED DOCUMENTS Illarly relevant if taken alone Illarly relevant if combined with anot ent of the same category logical background ritten disclosure ediate document	L : document cited to	ument, but publis the application rother reasons	hed on, or

EPO FORM 1503 03.82 (P04C01)



Application Number

EP 97 30 8899

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 97 30 8899

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-6,9,10,12

Impedance of magnesium oxide film.

2. Claims: 7-8,11,13

Impurity in magnesium oxide film.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 97 30 8899

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-02-1999

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For more details about this annex : see Official Journal of the European Patent Office. No. 12/82

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